

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| S1    | 63   | "6470055"   | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/08/27<br>15:16 |
| S2    | 2    | "6470055".pn.   | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/08/27<br>15:16 |
| S3    | 58   | ("3944926"  <br>"4103234"  <br>"4339724"  <br>"4350879"  <br>"4403331"  <br>"4517679"  <br>"4530088"  <br>"4567602"  <br>"4644565"  <br>"4720839"  <br>"4730344"  <br>"5327455"  <br>"5365547"  <br>"5491457"  <br>"5719899"  <br>"5729570"  <br>"5732114"  <br>"5784402"  <br>"5790588"  <br>"5812523"  <br>"5920808"  <br>"5930299"  <br>"6373902").PN. OR<br>("6470055").URPN. | US_PGPUB;<br>USPAT; USOCR   | OR               | ON      | 2008/08/27<br>15:45 |
| S4    | 1    | spectral near2 efficieny  | US_PGPUB;<br>USPAT; USOCR   | OR               | ON      | 2008/08/27<br>15:48 |
| S5    | 0    | spectral adj efficieny  | US_PGPUB;<br>USPAT; USOCR   | OR               | ON      | 2008/08/27<br>15:49 |
| S6    | 0    | spectral adj efficieny  | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/08/27<br>15:49 |

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| S7  | 4788 | spectral adj efficiency   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/27<br>15:49 |
| S8  | 4788 | spectral adj1 efficiency  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/27<br>15:49 |
| S9  | 2918 | S8 and time and bandwidth   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/27<br>15:52 |
| S10 | 4    | S9 and hermite  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/27<br>15:52 |
| S11 | 7    | ("20010004390"  <br>"20020150037"  <br>"5509020"  <br>"6377607"  <br>"6459728"  <br>"6614857"  <br>"6768713").PN. OR<br>("7092436").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/08/27<br>15:55 |
| S12 | 0    | "barrett terence"   | US-PGPUB  | OR | ON | 2008/08/27<br>15:58 |
| S13 | 0    | "5486833".pn.   | US-PGPUB  | OR | ON | 2008/08/27<br>16:04 |
| S14 | 2    | "5486833".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/27<br>16:04 |

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|-----|------|--|------------------------|----|----|------------------|
| S15 | 52   | ("3108249"   "3614719"   "3720884"   "4008469"   "4218678"   "4995088"   "5095312"   "5121125"   "5146229"   "5159343"   "5175552"   "5177486"   "5223838"   "5247302").PN. OR ("5486833").URPN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/27 16:10 |
| S16 | 1    | "5486833".pn.  | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/27 16:21 |
| S17 | 1    | "7028060".pn.  | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/27 16:22 |
| S18 | 1103 | (non adj linearly) near3 signal  | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/27 16:23 |
| S19 | 1137 | (non adj linearly) near3 (signal product)  | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/27 16:23 |
| S20 | 70   | ((non adj linearly) near2 (signal product)) same ( time and frequency)   | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/27 16:23 |
| S21 | 34   | S19 and OFDM   | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/27 16:27 |
| S22 | 59   | ("20020085641"   "20030147471"   "3944926"   "4103234"   "4339724"   "4350879"   "4403331"   "4517679"   "4530088"   "4567602"   "4644565"   "4713841"   "4720839"   "4730344"   "4745628"   "4962510"   "5299228"   "5327455"   "5341396"   "5365547"   "5371548"   "5479448" | US-PGPUB; USPAT; USOCR | OR | ON | 2008/08/27 16:29 |

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|     |     | "5491457"<br>"5534828"<br>"5583892"<br>"5682390"<br>"5694389"<br>"5719899"<br>"5729570"<br>"5732114"<br>"5732333"<br>"5734647"<br>"5748679"<br>"5784402"<br>"5786778"<br>"5790588"<br>"5812523"<br>"5815525"<br>"5889759"<br>"5909435"<br>"5920808"<br>"5930299"<br>"6167099"<br>"6175550"<br>"6198777"<br>"6233438"<br>"6298244"<br>"6304611"<br>"6373902"<br>"6445749"<br>"6470055"<br>"6665348"<br>"6757334").PN. OR<br>("7133456").URPN. |   |    |    |                     |
| S23 | 30  | decomposed near2<br>expand   | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/28<br>11:42 |
| S24 | 0   | S23 and orthogonal   | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/28<br>11:43 |
| S25 | 691 | decomposed same<br>expand  | US_PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/28<br>11:44 |

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| S26 | 13  | S25 and orthogonal   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/28<br>11:44 |
| S27 | 100 | S25 and time and frequency   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/28<br>11:45 |
| S28 | 2   | "6470055".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/28<br>11:51 |
| S29 | 127 | "signal basis set"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/28<br>13:47 |
| S30 | 59  | S29 and time and frequency   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/28<br>13:48 |
| S31 | 52  | ("3108249"  <br>"3614719"  <br>"3720884"  <br>"4008469"  <br>"4218678"  <br>"4995088"  <br>"5095312"  <br>"5121125"  <br>"5146229"  <br>"5159343"  <br>"5175552"  <br>"5177486"  <br>"5223838"  <br>"5247302").PN. OR<br>("5486833").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/08/28<br>13:51 |
| S32 | 40  | non-linearly near2<br>( expansion expanding<br>expand)   | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/08/28<br>14:01 |
| S33 | 338 | non-linear\$2 near2<br>( expansion expanding<br>expand)  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/08/28<br>14:01 |

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|-----|-----|---|---------------------------|----|----|---------------------|
| S34 | 152 | S33 and product   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/08/28<br>14:02 |
| S35 | 0   | S33 and(time adj<br>bandwidth)  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/08/28<br>14:02 |
| S36 | 0   | S33 and (time adj<br>bandwidth)   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/08/28<br>14:02 |
| S37 | 66  | S33 and (time and<br>bandwidth)   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/08/28<br>14:02 |
| S38 | 37  | ("20010013965"  <br>"20020044752"  <br>"20020054613"  <br>"20020071454"  <br>"20020176153"  <br>"20030035618"  <br>"20040057735"  <br>"20060002715"  <br>"4989201"  <br>"5015054"  <br>"5028889"  <br>"5256968"  <br>"5434701"  <br>"5532868"  <br>"5537243"  <br>"5564832"  <br>"5658418"  <br>"5841571"  <br>"5930024"  <br>"5963567"  <br>"6014249"  <br>"6104848"  <br>"6111688"  <br>"6160657"  <br>"6163553"  <br>"6195369"  <br>"6282214"  <br>"6298187"  <br>"6307984"  <br>"6323991"  <br>"6341025"  <br>"6341034"  <br>"6417965"  <br>"6433306"  <br>"6504973"  <br>"6522818"  <br>"6590910").PN. OR<br>("7295584").URPN. | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2008/08/28<br>14:12 |

8/28/2008 3:58:04 PM

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